PACKAGING FILMS WITH IMPROVED SEALING PROPERTIES AND ARTICLES MADE THEREOF

ABSTRACT

A coextruded heat-shrinkable, biaxially-oriented multilayered packaging film comprising a first layer, a second polymer layer, a third polymer layer, and a fourth polymer layer wherein the first polymer layer comprises a first ethylene/ α -olefin copolymer preferably, an ethylene/ α -olefin copolymer having an α -olefin comprising 4-8 pendant carbon atoms, a melting point of less than 105° C., a molecular weight distribution M_w/M_n of from 0.05- 2.7, a melt index of from 6.5-34 g/10 min. at 190° C., and is present in the first layer is an amount of from 50-100%, based on the total weight of said first layer. The second layer comprises a second ethylene/ α -olefin copolymer having a melt index of from 0.85-6.0 g/10 min. Preferably, A is the cumulative total weight percentage of the first ethylene/ α -olefin copolymer in all layers of the film and B is the cumulative total weight percentage of the second ethylene/ α -olefin copolymer in all layers of the film, such that the relative amounts A and B satisfy the relationship 2A/B \leq 1. The invention includes a package comprising the coextruded heat-shrinkable, biaxially-oriented multilayered packaging film.

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